SONY

VGN-SZ780DN

VAIO® SZ Series Notebook PC

POWERFUL PERFORMANCE

Next-generation hafnium-based Intel® Core™ 2 Duo T8100 processor with 3MB L2 Cache

Toggle between an internal Intel® 965 graphics chip for optimal power consumption with excellent quality and an external NVIDIA® GeForce® Go 8400M graphics chip for even more robust performance.

Genuine Microsoft® Windows Vista® Business operating system

PREMIUM MOBILITY

Incredibly slim and lightweight at 4.0lbs[14] and 1.0" thin[15] with a cutting-edge carbon-fiber casing.

802.11n wireless LAN and Bluetooth® [5] technologies.

ADVANCED SECURITY

Fingerprint biometrics is a convenient and secure way to protect your computer and store passwords with a simple swipe of your finger.

An integrated Trusted Platform Module (TPM) TCG Ver.1.2 compliant chip enhances security by allowing you to control access on a specific client/user basis.

G-Sensor™ Shock Protection judges whether or not a movement is risky, activating disk drive protection only when your hardware is at risk.

An ideal mix of mobility, power and style, the ultra-sleek VAIO® SZ Premium notebook features a razor-thin 13.3" widescreen display[9] with XBRITE™ LCD technology and LED backlight, long battery life[7], a next -generation Intel® Core™ 2 Duo processor and gorgeous yet durable carbon-fiber casing. Work faster and play longer virtually anywhere you go with the VAIO® SZ Premium notebook.

Bluetooth

Click to DVD

intel Centrino inside Core 2 Duo inside

dlna CERTIFIED

RW DVD+ReWritable

G-SENSOR

Windows Vista Business

XBRITE™

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VAIO® SZ Series Notebook PC

Specifications

General

Computer Type: Notebook
Type of Use: Ultra Portable
Action Buttons: S1, S2 (programmable), Wireless On / Off, stamina / speed hybrid graphics switch
Security: Trusted Platform Module (TPM), TCG Ver.1.2 compliant
Biometric Fingerprint Sensor

Hardware

Pointing Device: Electro-Static touch pad
Keyboard: QWERTY (86 keys with 2.7mm stroke and 19.05mm pitch)- Bilingual (English / French)
Camera: Built-in MOTION EYE® Camera and Microphone

Processor

Type: Intel® Core™ 2 Duo Processor T8100
Speed: 2.1GHz[2]
Front Side Bus Speed: 800MHz
L2 Cache: 3MB
Technology: Intel® Centrino® Duo Processor Technology

Memory

Type: DDR2
Installed: 2GB (1GBx2) PC2-5300
Maximum: 4GB[13]
Speed: 667MHz

Hard Drive

Capacity: 250GB[2]
Speed: 5400rpm
Interface: Serial ATA
Impact Protection: G-Sensor™ Shock Protection - Hard Disk Drive Protection

Optical Drive #1

DVD+R DL Write: 4x max.
DVD+R Write: 8x max.
DVD+RW Write: 8x max.
DVD-R Write: 8x max.
DVD-RW Write: 6x max.
CD-R Write: 24x max.
CD-RW Write: 16x max.
DVD±RW: Yes[3] (DVD±R DL / DVD±RW / DVD-RAM)
CD Read: 24x max.
DVD Read: 8x max.
DVD-RAM Write: 5x max.
DVD-R DL Write: 4x max.
DVD-RAM Read: 5x max.

Expansion Slots

Multimedia Card Reader: Memory Stick Duo™ with MagicGate® functionality
ExpressCard® / 34 Slot: 5-in-1 Memory Card Adaptor (VGP-MCA20A) supporting Memory Stick®, Memory Stick PRO™ , Secure Digital, xD-Picture Card, and MultiMediaCard (MMC)
PCMCIA (Type II / Type I card slot with CardBus support)

Audio

Sound System: Sony® Sound Reality™ - Audio Enhancer

Display

Screen or Display Technology: WXGA razor thin LCD panel
Screen Size: 13.3"[9]
Resolution: 1280x800
XBRITE™ LCD Technology: Yes
White LED back light for better quality and clarity

Graphics

Processor: NVIDIA® GeForce(R) 8400M GS GPU with Total Available Graphics Memory of 1343MB (max.)[11] and Mobile Intel® Graphics Media Accelerator X3100 with Intel® Clear Video Technology Total Available Graphics Memory: 358MB (max.)[11]
Video RAM: 64MB Dedicated Video RAM
Technology: Hybrid Graphics System
Chipset: Mobile Intel® GM965 Express Chipset
Interface: VGA out w / Smart Display Sensor

Inputs and Outputs

Ethernet Port: 1
Headphone Jack: 1
i.LINK® Interface: 1 (4-pin IEEE 1394) interface[6]
Modem Jack: 1
Microphone Input: 1
Port Replicator Connector(s): 1 (Bottom)
USB Port(s): 2 (2.0 compliant)
VGA Output(s): 1
DC-In: 1

Networking / Modem

Ethernet Protocol: Fast Ethernet (RJ-45)
Ethernet Speed: 10Base-T / 100Base-TX / 1000Base-T
Modem Type: Integrated V.92 / V.90 Modem (RJ-11)
Wireless LAN: Intel® PRO / Wireless 4965AGN Network Connection (802.11a / b / g / n)
Bluetooth® Technology: Integrated Bluetooth® Technology[5]

Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS10)
Estimated Battery Life: 3 to 6 hours[7] (Standard Battery)
Power Requirements: 100W+10%

Software

Operating System: Genuine Microsoft® Windows Vista® Business- Bilingual (English / French)
Supplied Software: Microsoft® Works SE 9.0
Sony® Original Software: Click to Disc™ , LocationFree Player® Software

Service and Warranty Information

Limited Warranty: 1 Year[8]
Telephone Support: 1 Year

Dimensions

Weight: 4.0 lbs[14] with Standard Battery
Measurements: 12.5"(W) x 1.0"-1.5"(H) x 9.3"(D)

Supplied Accessories

Standard Lithium-ion battery (VGP-BPS10)
AC adapter (VGP-AC19V25)
Memory Card Adapter (VGP-MCA20A)[12]
Power Cord

Optional Accessories

Port Replicator (VGP-PRSZ1)
Additional Standard Capacity Battery (VGP-BPS9A)
Large Capacity Battery (VGP-BPL9)
Stick AC Adapter (VGP-AC19V21)
Bluetooth® Wireless Mouse (VGP-BMS33B)
Privacy Filter (VGP-FL8)
Neoprene Notebook & AC Adapter (VGP-AMC1)
Protection Case with VAIO Smart Protection (VGP-CKSZ1)
Slim Carrying Case (VGP-EMBCC01)
100GB Portable Hard Drive with Wireless Keys (VGP-UHDM10 / B)

Color: Charcoal Black Carbon Fiber

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires a compatible 802.11n access point. Some functionality may require Internet services, which may require a fee.
4. DVD Media / Formats are not universally compatible.
5. Interoperability among Bluetooth® devices varies.
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Actual battery life may vary based on product settings, usage patterns, battery and environmental conditions.
8. See actual limited warranty for details.
9. Viewable area measured diagonally.
10. Broadband Internet service required along with third-party services which may require a subscription fee or other service fee.
11. Total Available Graphics Memory refers to the new Windows Vista classification of graphics memory, which is the total of Dedicated Video Memory, System Video Memory and Shared System Memory. Shared System Memory vaires depending on the operating condition and system memory size.
12. Does not support Memory Stick® media and Memory Stick PRO™ media using the MagicGate® function or high-speed data transfer. Supports memory cards with capacities up to 8GB. Does not support 5.0V SmartMedia media or the ID function of SmartMedia media with IDs. Does not support the SD Memory Card media copyright protection function. This adapter has been tested with only Sony® branded Memory Stick PRO™ media. Sony® branded Memory Stick PRO™ media is recommended for use with this adapter.
13. A portion of the system memory over 3GB may not be available to the operating system.
14. Non-metric weights and measures are approximate
15. Measured at the narrowest point

Computer Interface: The computer industry lacks standards, and therefore, there are a multitude of varying software packages and add-on hardware options. This personal computer is not manufactured to operate any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and / or non-Sony add-on hardware options except those mentioned in this document. Sony hereby disclaims any representations or warranty that this product is compatible with any combination of products you may choose to connect. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony Notebook Computer are subject to change without notice. Simulated graphic shown on display. Pre-installed software may not be identical to retail versions or have all documentation. This product meets the standards of the International Energy Star Program for energy efficiency. Features and specifications are subject to change without notice. Non-metric weights and measurements are approximate.

Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
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